

Patent claims

1. A vehicle seat having an adjustable lower leg support which has a control device and a drive, the drive being designed to automatically adjust the lower leg support between a stowaway position and a position of use, and the control device being designed to control the drive, characterized in that the control device (52) has a sensor (6) which is arranged on the lower leg support (3) and is designed to detect an obstacle.
2. The vehicle seat as claimed in claim 1, characterized in that the sensor (6) is embodied as a proximity sensor and/or a pressure sensor.
3. The vehicle seat as claimed in claim 1 or 2, characterized in that the drive (5) is designed to adjust the length and/or the inclination of the lower leg support.
4. The vehicle seat as claimed in one of claims 1 to 3, characterized in that the drive (5) is embodied as an electrical or pneumatic drive (5).
5. The vehicle seat as claimed in one of claims 1 to 4, characterized in that the lower leg support (3) has an enclosed lower leg support surface, preferably in that the drive (5) increases and/or decreases the lower leg support surface.
6. The vehicle seat as claimed in one of claims 1 to 5, characterized in that the lower leg support (3) has a freely displaceable end and an end which is pivotably mounted on a seat cushion (23) or a seat frame, the sensor (6) being arranged at the freely displaceable end of the lower leg support (3).

7. The vehicle seat as claimed in claim 6, characterized in that the sensor (6) has two detection regions, preferably sensor areas (61, 62), a first region (61) being arranged on the rear of the lower leg support (3) and a further region (62) being arranged on the end side of the lower leg support (3).

8. The vehicle seat as claimed in claim 7, characterized in that one region (62) of the sensor is designed to detect obstacles when the lower leg support pivots and/or in that the other region (61) is designed to detect obstacles when the lower leg support is extended.

9. The vehicle seat as claimed in claim 7 or 8, characterized in that the first region of the sensor (61) and the second region of the sensor (62) are covered by a bar (63) which connects the two regions, the bar (63) distributing the pressure, which occurs when an obstacle is struck, between the first sensor region (61) and the second sensor region (62).

10. The vehicle seat as claimed in one of claims 1 to 9, characterized in that the control device (52) is embodied in such a way that it stops and/or reverses the drive (5), if the sensor (6) detects an obstacle.